

DATE 1708Z 19 FEB 64

SECRET

TO : DIRECTOR 25X1A

FROM [REDACTED]

ACTION: OSA 1-15

INFO :

TOR 1819Z 19 FEB 64

25X1A

25X1A

TO PRIORITY

INFO

CITE

4259

OX CART

25X1A

1. TO [REDACTED]

2. FOUR HOUR REPORT.

3. TEST OBJECTIVES: CHECK ROLL STABILIZATION, V/H SENSOR CONTROL, IMC PERFORMANCE, INS INPUTS TO DATA CHAMBER AND HEADING REFERENCE.

4. TEST CONDITIONS:

- A. WEATHER: CLEAR, WINDS AT 60M FT, 6 KNTS FROM 360.
- B. TERRAIN CLEARANCE: 64M.
- C. PRESSURE ALTITUDE: 69M.
- D. GROUND SPEED 1350 KNTS.
- E. TRUE AIR SPEED 1350 KNTS.
- F. MACH NBR 2.35.
- G. TRUE HEADING 180 DEG.
- H. V/H - SENSOR.
- I. EXPOSURE PROGRAMMER SET FOR 1/300TH BOTH SLITS.
- J. HEADING REFERENCE - OPERATIONAL.

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

25X1A

4239 (IN 68541)

S E C R E T

PAGE TWO

K. SYSTEM IN OPERATE FOR 36.3 MINUTES.

L. HELIUM CONSUMED - 281 GMS.

5. TEST RESULTS FROM OSCILLOGRAPH AND DEBRIEFING:

A. STABILIZATION: EXTENSIVE PERTURBATIONS NOTED
IN YAW. ROLL CHANNEL RELATIVELY STABLE. PITCH INDICATES MILD
OSCILLATIONS.

B. V/H: INTERFACE OUTPUT RELATIVELY STABLE. PREAMP
SIGNAL SHOWS VERY FEW DROPOUTS DESPITE LARGE EXCURSIONS IN YAW
AND PITCH. FILM SPEED DOES NOT CORRESPOND EXACTLY TO SENSOR
FREQUENCY AS SHOWN ON LATEST CALIBRATION CURVE.

C. CAGES - 35.

D. TRANSPORT: MATERIAL STACK ON TAKE UP SPOOL POOR.

E. PILOT SAID COURSE FLOWN WAS DIRECTLY OVER TARGETS.

END OF MESSAGE